

N° 6385

A.D. 1892



Date of Application, 2nd Apr., 1892

Complete Specification Left, 2nd Jan., 1893—Accepted, 11th Feb., 1893

PROVISIONAL SPECIFICATION.

Improvements in Golf Clubs.

I, ROBERT ANDERSON of 67 Princes Street, Edinburgh in the County of Midlothian, North Britain, Fishing Tackle Manufacturer, do hereby declare the nature of this invention to be as follows:—

This invention, which relates to improvements in golf clubs, has reference more particularly to those clubs which are made of wood, celluloid or like material, and has more particularly for its object to prevent heelng of the ball and thereby to drive longer and straighter balls than by the present shape of wood clubs; and other advantages are obtained by my improvements.

I get rid of the present rounded heel by making that part a continuation of the striking surface: I am thus enabled to shorten the head, whilst at the same time obtaining as long a striking surface as with the present club. The striking surface is thus brought nearer to the line of the shaft, the lead being correspondingly placed nearer the line of the shaft.

By this arrangement, the part of the club where there used to be a rounded heel and which was a part liable to be struck and the ball thereby caused to be glanced off the club and thus to be badly driven, is now made a part of the flat striking surface from which the ball is driven as strong and as true as from the middle or other part of the striking surface.

Also by my invention of shortening the head and bringing the lead nearer to the line of the shaft, the leverage from a badly struck ball, which tended to divert the proper position of the club when striking the ball, is reduced or is overcome, that is to say, for example, when a ball is struck by the toe or heel end of the club.

The face of the head may be in a line with the shaft, or it may project a sufficient extent to increase the strength of the neck, and to improve the balance of the club by tending to equalize the weight of the head at either side of the neck; this construction further reduces the tendency of the club to turn or twist when striking the ball.

The improved form of the face of the club offers special facility for facing it with leather, horn, celluloid or the like, when a facing is required for playing with very hard balls.

As a modification of my said invention, I attach the head to the shaft without a neck. I take any ordinary head formed without a neck portion and bore a hole for the reception of the shaft, in such a position that the striking surface is behind as well as in front of the shaft, whereby I obtain a perfectly balanced head by equalizing the leverage before and behind the line of the shaft.

In this arrangement the centre of the lead is immediately behind the centre of the shaft where the shaft passes through the head and also behind the centre of the striking face or surface.

I might in some cases add a neck to the head to improve the appearance of the club or to strengthen the club.

I do not limit myself to the adaptation of my several improvements to the precise kind of golf club heads described as it is obvious that my improvements are applicable to various other kinds or shapes of golf club heads.

Dated this 28th day of March 1892.

JOHNSONS,
115, St. Vincent Street, Glasgow, Petitioner, Agents.

[Price 8d.]

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K04619

Anderson's Improvements in Golf Clubs.

COMPLETE SPECIFICATION.

Improvements in Golf Clubs.

I, ROBERT ANDERSON of 67 Princes Street, Edinburgh, North Britain, Fishing Tackle Manufacturer, do hereby declare the nature of this invention and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement:—

This invention which relates to improvements in golf clubs has reference more particularly to those clubs which are made of wood, celluloid or like material and has more particularly for its object to prevent heeling of the ball and thereby to drive longer and straighter balls than by the present shape of wood clubs; and other advantages are obtained by my improvements.

Figure 1 of the accompanying drawings is a side view of the striking face of the club and Figure 2 is a plan of the same.

Figures 3, 4 and 5 are views of modifications.

As shown in Figures 1 and 2 I get rid of the present rounded heel by making that part a continuation of the striking surface as shown at A; I am thus enabled to shorten the head whilst at the same time obtaining as long a striking surface as 15 with the present club. The striking surface is thus brought nearer to the line of the shaft B, the lead C being correspondingly placed nearer the line of the shaft.

By this arrangement, the part of the club where there used to be a rounded heel and which was a part liable to be struck and the ball thereby caused to be glanced off the club and thus be badly driven, is now made a part of the flat striking surface from which the ball is driven as strong and as true as from the middle or other part of the striking surface.

Also by my invention of shortening the head, and bringing the lead nearer to the line of the shaft, the leverage from a badly struck ball, which tended to divert the 25 proper position of the club when striking the ball, is reduced or is overcome, that is to say for example when a ball is struck by the toe or heel end of the club.

The face of the head may be in a line with the side of the shaft or as shown in the drawing Figure 2 it may project a sufficient extent to increase the strength of the neck and to improve the balance of the club by tending to equalize the weight 30 of the head at either side of the neck; this construction further reduces the tendency of the club to turn or twist when striking the ball.

With regard to the modified form of head as shown in Figures 3 and 4, I attach the head to the shaft without a neck, the hole for the shaft being bored through the head in such a position that the striking surface is behind as well as in front of the 35 shaft, whereby I obtain a well balanced head by equalizing the leverage before and behind the line of the shaft.

I do not limit myself to the precise formations as shewn in the drawings, for example Fig. 5 shews a modification in the position of the shaft relatively with the head by which there is a striking surface at the side of or a little behind the line 40 of the shaft.

Having now particularly described and ascertained the nature of my said invention and in what manner the same is to be performed, I declare that what I claim is:—

The improvements in wood golf clubs, or golf clubs of like material, substantially 45 as and for the purposes hereinbefore described and shewn in the accompanying drawings.

Dated this 29th day of December 1892.

JOHNSONS,
113, St. Vincent Street, Glasgow, Petitioner's Agents. 50

A.D. 1892 APRIL 2. N^o. 6385.
ANDERSON'S COMPLETE SPECIFICATION.

SHEET 1

Fig. 1.

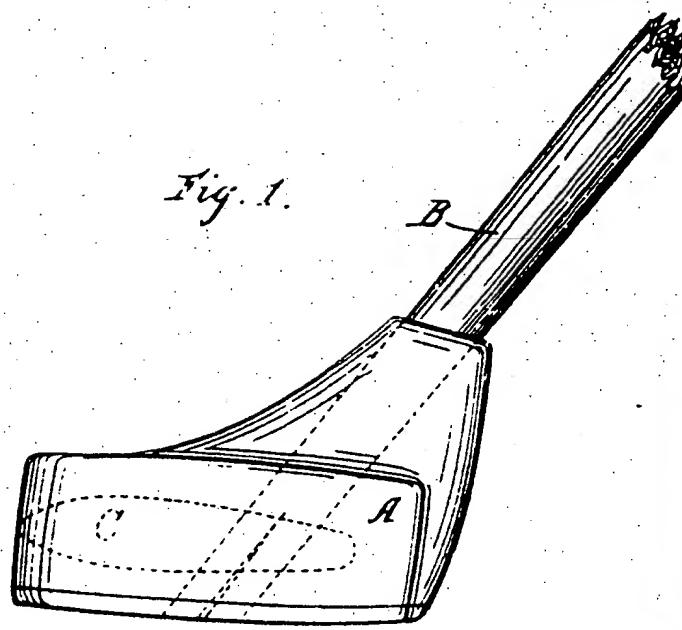
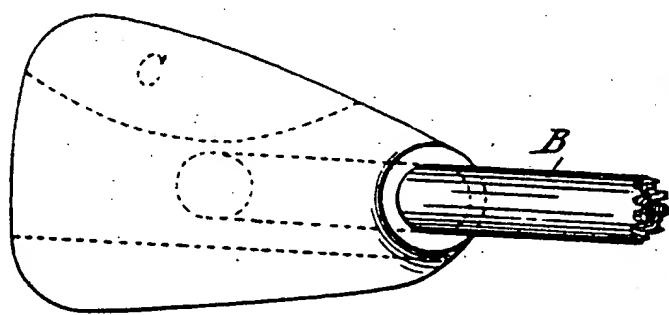


Fig. 2.



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London: Printed by George and Son Ltd.
for Her Majesty's Stationery Office. 1893.

Fig. 3.

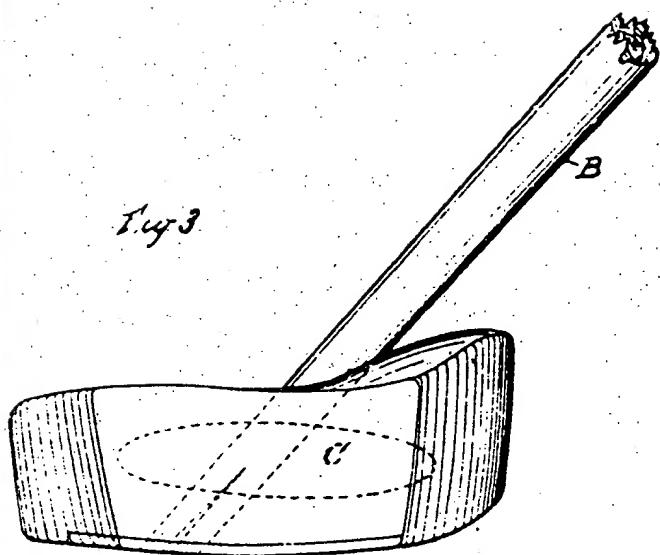


Fig. 4.

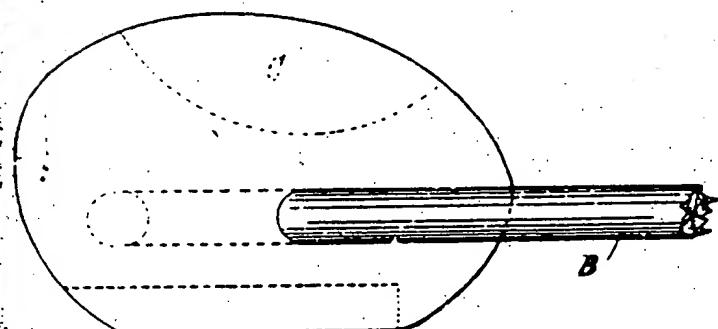
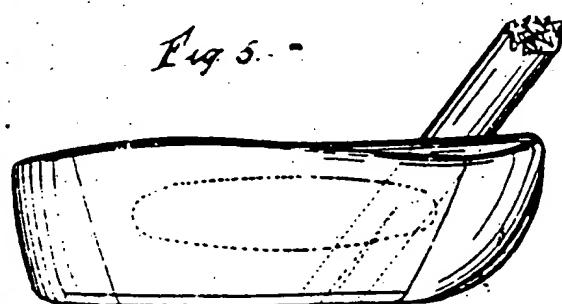


Fig. 5. -



[This Drawing is a reproduction of the Original on a reduced scale.]

K04622

D63,284 Challis
D191,314 Mengel
D271,783 Simmons
D405,492 Kubica et al.
D276,452 Doman
D298,270 Smith
D303,559 Florian
D314,802 Warner
3,595,582 Chapman
D337,803 Sillers
D354,785 Luks
D380,799 Arnold
D247,791 Monteleone
6,106,412 Kosugi et al.
5,941,782 Cook
4,697,813 Inoue
5,242,168 Aizawa
3,810,621 Mills
5,042,806 Helmstetter
5,839,973 Jackson
5,851,155 Wood et al.
1,249,127 Lard
713,845 Braid et al.
1,994,149 Root
1,897,264 Lamb et al.
1,574,213 Tyler
5,632,695
2,460,435
4,754,969
5,611,740
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2,067,556
2,219,670
5,149,091
5,197,733
5,280,923

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